



COLORADO SPRINGS,
COLORADO

JULY 1994



Amateur Radio News Service

Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



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Ø-Beat Editor-	Mike Martin	N8OCZ	3148 Maverick Dr.	80918	594-9339

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6880 Palmer Park Blvd. at 7PM.

EDITORS: Kathie and Mike Martin, N8YTQ and N8OCZ, 3148 Maverick Drive, Colorado Springs, Colorado 80918 (719)594-9339. Deadline for submission of articles or ads is the 20th of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24; quarter page \$12; business card \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Committee Chairpersons, etc.

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Rick Brown	531-9423
Interference	Bill Petty	591-2116
RACES	Doug Moloney	unlisted
ARES	John Chapman	635-1604
Skywarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Harry Russell	
Ø-Beat	Kathie Martin &	
	Mike Martin	594-9339
Club Historian	Al Craig	594-9288
Falcon Wanderers	Bob Nyman	574-5161
Programs	Steve Schaeorschmidt	598-3554
Swapfest	Harvey Hunter	597-8964

Reminder - July Meeting

The next meeting of the PPRAA will be held on Wednesday, July 13th at the Disabled American Veterans Hall located at 6880 Palmer Park Blvd. The meeting starts at 7:00 PM. The scheduled program will be on "Repeater Systems and Operations."

VE Testing

Rick Brown - KDØSU

VE Testing is sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October, and December. Testing takes place at 9:00 AM at:

Denver Technical College (DTC)
225 South Union
Colorado Springs

While we prefer pre registration, walk-ins are accepted on a space available basis. Anyone wishing to take an examination should bring the following items:

1. \$5.75 (preferably a check or money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur license as well as the signed original. A copy of any examination credit you have as well as the original. We keep the copies.
4. Pen, pencils, and a calculator if you need one.

To pre register, or if you have any questions, please call me at 531-9423. Please do not call DTC, they only provide us the rooms for testing and they do not have any information concerning the test session.



OM/YL LUNCH BUNCH

The Chowhounds met on June 16, 1994 for a most refreshing and delightful get together at the Mall of the Shops.

On July 21, 1994 the Chowhounds will get together for a picnic at Thorndale Park, West Unitah and 24th Street, at 12:00 noon. Please bring a picnic lunch, place setting, drinks, etc., for yourselves, and we will all enjoy a lunch together in the park. There is a covered pavilion and trees. Any questions, please call Rosie at 471-9965.

Thanks to all of you for your support and participation in the boutique at the Swapfest this year.

There will be no luncheon in August because we will meet at the Club Picnic at the Air Force Academy.

73s

Rosie Calaway, WAØMNL

Editor's Corner

Mike, NØOCZ and I, NØYTQ would like to introduce ourselves to you as the new editors of Ø-Beat. We welcome any and all articles and suggestions you would like to contribute to make the club newsletter one of the best. We also want to extend our congratulations to Ron Deutsch, NKØP and the club members for putting together an outstanding publication. Ø-Beat, again, received an "Excellent" rating by the Amateur Radio News Service with high marks in the following categories: General Format, Appearance, Content, and General Interest and Attractiveness. Hopefully, Mike and I, with club members support, can continue to provide a newsworthy and exciting paper.

As a last note, rumor has it that Prunella is in Tibet! Maybe we will hear from her as soon as she and Franklin come down off the mountain or out of their sanctuary.

Nor Too Old

By Rick Brown - KDØSU

A few months ago I wrote about a young ham in Vermont who had just earned her Advanced Class License. I think it is amazing when young folks get a license at such an early age, but there are others who are probably just as amazing.

A couple of years ago at one of the Ham Radio classes sponsored by the PPRAA and taught so ably by Al, ADØZ and Frank, KFØWF we had an older gentleman come to class who had never been a Ham before. He was studying for his Novice license at the time. When it came time for us to give the code exam this 70 year old gentleman passed the 20 WPM exam the first time. Not having prepared for the written at a higher level, he only passed the Novice written portion of the exam.

For the next several months this person was at our exam sessions to take a new written exam. He had worked his way up through at least the General exam before he even got his Novice license in the mail from the FCC. He continued on and did pass the Amateur Extra Class exam. Most of you know this gentleman as KBØKID, George.

My hat is off to you George for the extraordinary accomplishment. Thanks also for becoming a Volunteer Examiner yourself and helping us so many times.



PIKES PEAK RADIO AMATEUR ASSOCIATION

General Meeting June 8, 1994

Treasurer's Report

Previous Balance	\$1290.31
Income	\$5748.27
Expenses	\$4984.15
New Balance	\$2074.43

This balance includes paying back the borrowed "front" money to pay for the Swapfest. The final tally is not yet reconciled.

The meeting was called to order at 1900 by Steve WB7VHR. The treasurer's report was submitted. The minutes were amended to read that Field Day is June 25th, and not July 25th. They were then approved with one small but well noticed voice dissenting.

CCARC: Oak KØROL, reminded us that one of the main purposes of the council is to allocate frequencies in Colorado. It has been in existence for 23 years, has 20 constituent members, and PPRAA is a charter member.

Membership: Les KCØNC, reminds all who have received their calls after becoming members to please contact him so your call will be in the next published directory.

Public Service: Mike KØTER, is presently signing members for the Pikes Peak Auto Hill Climb for the 4th of July. We need 3 more people to assist in the Run-Bicycle-Run for August 14th. In September we will assist the March of Dimes "Walk America." The M.S. 150 from Highland Ranch to the Royal Gorge will be on July 9th and 10th. We expect our heaviest involvement (and greatest need) to be on the 9th. For more information listen up on the 146.970 repeater at 7:00 pm for the ARES net or contact Mike or Luci NØOUD. New events come up almost every week.

Ø-BEAT editors Kathie NØYTQ, and Mike NØOCZ, now take over the reigns of Ø-Beat. Thanks to Chris NXØE and Susan KA7NNX, who published the last edition. Remember the deadline for submission is the 20th of each month.

RACES: This month's meeting will be held on the 18th of June. Dennis Ochs N7OGL is leaving the area and received an award for his work by the El Paso Office of Emergency Management.

The ARRL Sector Traffic Manager, Mike KØTER informed us there is a CW traffic net (the CWN Colorado-Wyoming) meeting each night at 7:30 at 3.715. Everyone welcome.

VE Testing: We were inundated with applicants at the Swapfest. We had 12 VEs and 61 people tested with the following results; 1 Novice; 18 Technicians; 3 Generals; 3 Advanced; and 1 Extra. Good job Rick KØR.

Hammy was awarded to Harry WA3EIB for his exhausting work on our recent Swapfest. Here are a few statistics:

867 sales at the gate
128 at the vendors door
60 prepaid
15 free table attendees
870 total with 855 paid admissions

\$2,400 collected at main gate
\$2,000 collected in raffle sales
\$82 collected at vendors gate
\$350 food sales and boutique

The program was on "Field Day." Next month Dave Novotny WA6IFI will present a program on repeater systems and repeater operations.

Submitted by Ken, NØNKP Club Secretary

Board Meeting June 13, 1994

The meeting was called to order at the QTH of Malcom, KE9S, at 19:00. The following members attended: Steve WB7VHR, Al NØCMW, Tom NØNTX, Ken NØNKP, Bill NØNJX (filling in for Liz, NØTUK), Luci NØOUD, Steve, KØCI, Kathie NØYTQ, and Mike NØOCZ.

The Board voted to purchase more business checks and a binder for \$38. Luci NØOUD received a check for \$150 for Sunday morning breakfast at Field Day. All members are welcome. The Board approved mailing a letter to recent new members informing them of the clubs goals and activities, and inviting them to become involved. The mailing will not exceed 100 letters. Harry WA3EIB was voted Chairman for the 1995 Swapfest. We will look into the idea of having the ARRL regional meeting in conjunction with the Swapfest.

The next meeting will be at the QTH of Al, NØCMW.

Submitted by Ken, NØNKP Club Secretary

My beautiful old antenna tree

by Larry Ikenberry, K7APT

As I climbed the old logging road to our building site on Bush Mountain, I couldn't quit looking at a gigantic Douglas fir tree down below. With its top higher than our property, I figured it was over 180 feet tall and at least eighty years old.

I watched Old Doug Fir each day that summer as we built our new home. He pierced the horizon, and his top swayed in the wind. I knew he would be a super antenna tree for a longwire antenna.

It was several years before I assembled a ham station in our new home. I had a 50-foot tower, but I wasn't in a hurry to erect it. I first wanted to get a longwire to Old Doug Fir. I bought several hundred feet of solid copper wire and decided to end feed it with 450-Ohm ladder line.

I asked a neighbor boy to bring his compound bow with a fishing arrow. We tied a spool of 40-pound fishing line to the arrow and, from our deck, he fired the first shot toward the antenna tree. It

reached about halfway. He then walked to the base of the tree and, with a single shot, fired the arrow and line over a limb about two-thirds the way to the top. I hooked the lines together and pulled up the wire.

The result was a 350-foot longwire antenna with one end about 130 feet above the base of the tree. With the other end's rope tied to the roof of the house, the wire was roughly horizontal.

Reception was great, and I worked lots of DX on 10, 15, and 20 meters. I appreciated how well Old Doug Fir held my antenna aloft. And every day for nine years I admired his beauty. Visiting Radio Amateurs admired him too, as he swayed gently in the breeze.

I realized it was only a matter of time before they would clear the land where Old Doug Fir stood. One day, when I heard chainsaws, I hiked down through the woods to talk with the tree cutters. They were only cutting hardwood, one of them said, and would wait until fir prices

rose before "harvesting" the fir. The guy promised he would let me know before they felled Old Doug Fir, so I could take down my antenna.

Soon all the trees around Old Doug Fir were gone; he stood as a lone landmark. Maybe, just maybe, I hoped, they might spare him—the most beautiful tree for miles around.

Then one morning I awoke again to the sound of chainsaws. My heart sank. Then I heard a tremendous crash accompanied by the sound of my antenna snapping across the roof. When I ran out on the deck, only emptiness filled the space Old Doug Fir had so gloriously occupied. It matched the empty space inside me.

I was so sad I felt sick as I coiled the antenna wire. For I knew that in my lifetime, or that of my son, or even of my grandson, there would never be another tree like Old Doug Fir.

from the November '93 Olympia ARS "Watts News"—George Lanning, KB6LE, Editor

Morse code: the universal language

By Clark J. Evans, Sr. WA4DLL

In February of 1991 an American woman and two Japanese boys came into our Amateur Radio station at the Museum of Science and Industry in Tampa, Florida. The woman, the boys' tour guide, told Lee Pallet, KB4FBX, and me, "You won't be able to talk to these boys. They speak no English."

But then she said the boy in the corner was interested in the station, because he, too, was a ham radio operator.

Hearing that, Lee whistled, "CQ CQ" and the boy instantly whistled an answer in Morse. After that, Lee translated for the tour guide. But at first, she was incredulous, saying, "You can't be communicating with him!" Lee

answered, "Oh, we certainly are," and told her their names, where they were from, and more.

We hams can communicate regardless of native language, using Morse code, with its standard abbreviations—our universal language.

(original publication unknown—shortened and smoothed a bit by AF6S)

Dits and Bits

For Sale: Radio Desk, 5' high by 3' wide and 28" deep with single drawer. Unpainted. Carpenter built. \$45. Contact Frank, N0IEM, at 596-7980



July 1994

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

3 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	4 <i>Independence Day Hill Climb</i> 8:00pm SCTN 146.97	5 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	6 8:00pm SCTN 146.97	7 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146.97	8 ● NM 8:00pm SCTN 146.97	9 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146.97 M.S. 150
10 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	11 8:00pm SCTN 146.97	12 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	13 7:00pm PPRAA Mtg DAV "Repeater Systems and Operations" 8:00pm SCTN 146.97	14 CMRG Info Net 147.345 8:00pm SCTN 146.97	15 ● FQ 8:00pm SCTN 146.97	16 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146.97
M.S. 150						
17 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	18 8:00pm SCTN 146.97	19 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	20 O-Beat Deadline 7:00pm MARC Meeting Woodland Park 8:00pm SCTN 146.97	21 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146.97	22 ● FM 8:00pm SCTN 146.97	23 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146.97
24 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	25 8:00pm SCTN 146.97	26 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146.97	27 8:00pm SCTN 146.97	28 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146.97	29 8:00pm SCTN 146.97	30 ● LQ 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146.97
31 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97						

June						
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

August						
S	M	T	W	T	F	S
			1	2	3	4
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August 1994

PIKES PEAK RADIO AMATEUR ASSOCIATION

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 8:00pm SCTN 146. 97	2 7:00pm ARES NET 146.97 7:30pm RACBS NET 146.97 8:00pm SCTN 146. 97	3 8:00pm SCTN 146. 97	4 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146. 97	5 8:00pm SCTN 146. 97	6 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146. 97
7 ● NM 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146. 97	8 8:00pm SCTN 146. 97	9 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	10 8:00pm SCTN 146. 97	11 CMRG Info Net 147.345 8:00pm SCTN 146. 97	12 8:00pm SCTN 146. 97	13 ● PQ VE Testing (see pg 2) 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146.97
14 Run-Bike-Run 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146. 97	15 8:00pm SCTN 146. 97	16 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	17 7:00pm MARC Meeting Woodland Park 8:00pm SCTN 146. 97	18 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146. 97	19 8:00pm SCTN 146. 97	20 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146. 97
21 ● FM Annual PPKAA Picnic 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146.97	22 8:00pm SCTN 146. 97	23 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	24 8:00pm SCTN 146. 97	25 7:30pm CMRG Info Net 147.345 8:00pm SCTN 146. 97	26 8:00pm SCTN 146. 97	27 7:00am Village Inn Breakfast 7:30am Breakfast Country Kitchen Widefield (W2TJO) 8:00pm SCTN 146. 97
28 8:00am COLORADO ARES NETS 3928.0 7:30pm RACES HF NET 3990.5 8:00pm SCTN 146. 97	29 ● LQ 8:00pm SCTN 146. 97	30 7:00pm ARES NET 146.97 7:30pm RACES NET 146.97 8:00pm SCTN 146. 97	31 8:00pm SCTN 146. 97			

July						
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September						
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					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

MONTHLY EVENT CALENDAR

Ham Radio Exam Sessions

By Rick Brown - KDØSU

We had a bumper crop of people at the PPRAA Swapfest to take tests for all classes of Ham Radio licenses. There were 81 people total who came in and took various elements of the exam. The following are the number of people who upgraded or earned new licenses.

Novice	1
Technician	18
Technician/HF	6
General	3
Advanced	3
Amateur Extra	1

As usual there were many others who earned element credit but did not upgrade at that summit.

My thanks to the following Volunteer Examiners who gave up their time rather than spending their hard earned money at the swapfest.

Dennis - WØMLW	EJ - KDØNB
Butch - WAØWWT	George - KBØKID
Mike - KØTER	Joe - KQØS
Rob - WB7WHT	AL - NØTDS
Dave - KØIRP	Tom - WDØGVH
Bill - K4YCD	

We also had our regular exam session on the 11th of June at Denver Technical College. After having so many people at the Swapfest we were sure this would be a light session. Wrong!! There were 26 people who showed up that day to give it a try. The results are as follows.

Technician	10
Technician/HF	4
General	1
Advanced	2
Amateur Extra	1

Many of the same Volunteer examiners were back again to help out. I would like to thank George, WDØK, who came to help that day. I took the day off to wash cars

with my Boy Scout Troop. It is a toss up as to which is an easier job.

Anyone who is a General Class Ham or above and would like to become a Volunteer Examiner is certainly welcome to join our crew. I am sure a few of the fellows would like a little break from giving exams every couple of month. We do enjoy bringing new folks into the hobby, and making it relatively painless to upgrade. If you have any questions or suggestions please feel free to contact me at 531-9423.

PPRAA Annual Picnic

Be sure to reserve **Sunday, August 21st** for our annual picnic which will be held again this year at the USAF Academy picnic area #3 from 12 noon to 5 pm.

Don't forget to bring your favorite covered dish or whatever to share. Also a utensil to serve it with. The following is for your guidance:

Hamburgers, hot dogs, buns and coffee will be provided by the PPRAA.

A through M bring salad, chips, veggies, baked beans, etc.
N through Z bring fruit, pie, cake, cookies, candy, etc.

Bring lawn chairs so that you don't have to sit on the ground and share with the ants.

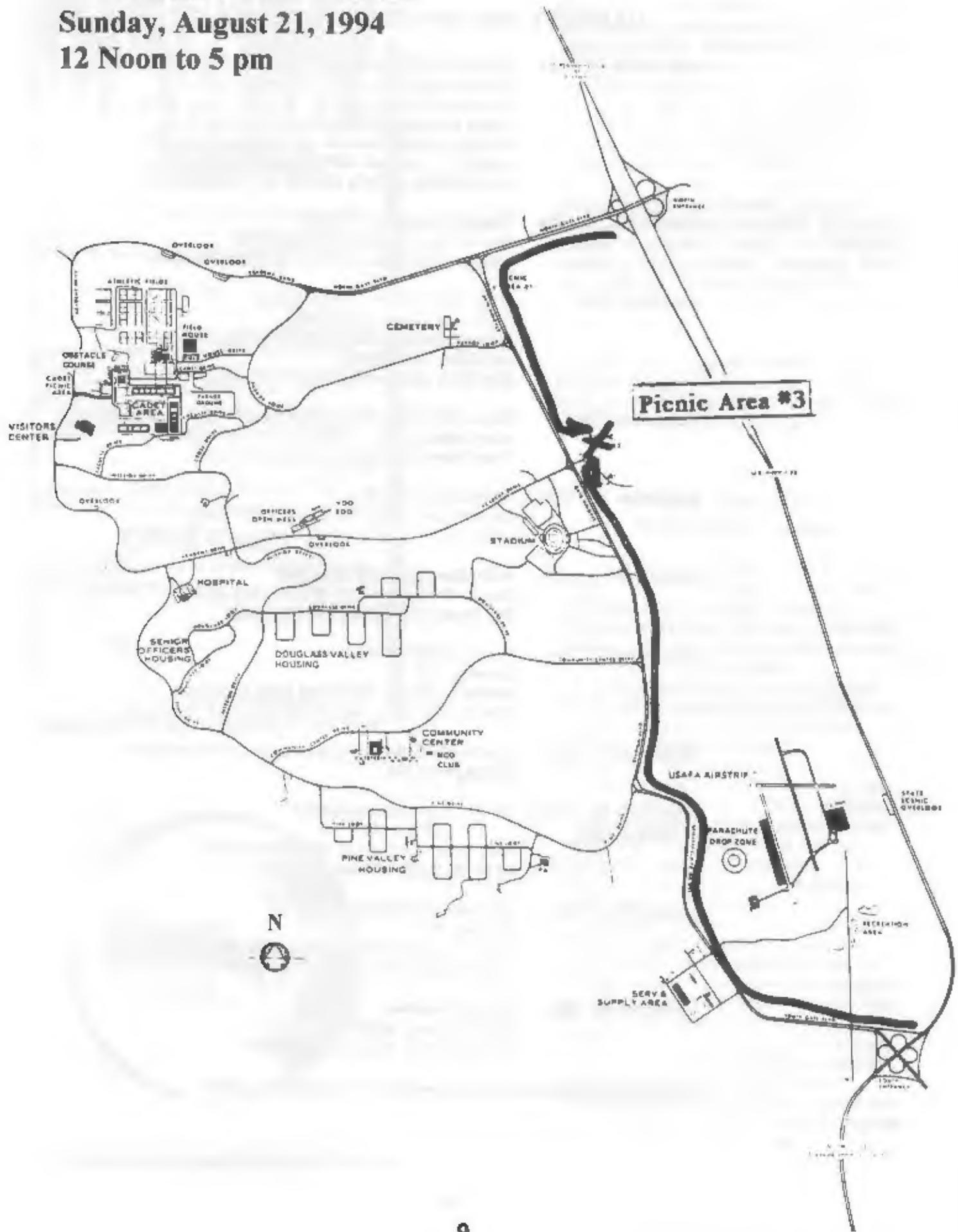
In order to get a fairly accurate count of the number attending we will have a sign up sheet at the next General Meeting but only one person in each family or group need sign up. Indicate in brackets following your name how many others there are in your party.

We will need a few volunteers to help clean up. Please volunteer. You will be handsomely rewarded with surplus pie, cake, cookies, etc.

Talk-In will be on 146.520.

For more information please call Luci, NØOUD at 636-1290 or Ron, NKØP at 593-8352.

PPRAA ANNUAL PICNIC
Sunday, August 21, 1994
12 Noon to 5 pm



HAMFEST AND SWAPFEST SCHEDULE

- July 15, 16, 17, 1994 Mountain ARC Campout/Swapfest at Red Rocks Campground in the Pika NF 4 miles north of Woodland Park on Hwy 67. Campers may arrive Friday evening and stay through Sunday 9 am. Advance reservations for camping (with deposit) a MUST! Call Bob NØFCR at (719) 687-9025 or Fred NØPKA or Patty NØPSD at (719) 687-9727
- July 22, 23, 24, 1994 Flagstaff Hamfest (Ft Tuthill)
Box 32758, Phoenix AZ 85064-2758
Phone: Cliff Hauser KD6XH @ (602) 744-9095
- August 20, 1994 Duke City Hamfest (Albuquerque)
ARRL NM Section Convention
National Guard Armory, 800 Wyoming Blvd NE
Jay Miller, WA5WHN
Box 6552, Albuquerque NM 87197-6552
- August 26, 1994 Denver RC Swapfest at the Jefferson Co. Fairgrounds near Golden (near I-70W and U.S. 6). Contact Dean Haworth, ACØS at (303) 278-4958
- September 3-4, 1994 Alamogordo Hamfest
Larry Moore, WA5UNO @ (505) 437-0145
1830 Corte Del Ranchero, Alamogordo NM 88310
- September 10, 1994 Waterflow "Mudflats" Swapfest
Don L. Walker, K6QQT @ (505) 598-9557
146 Road 6700, Waterflow NM 87421
- September 17, 1994 Northern NM Hamfest
Glorietta, NM
Helenrose Burke, W5IXS @ (505) 689-2367
Box 73, Ojo Sarco NM 87550
- September 25, 1994 Boulder ARC Swapfest at Boulder Co. Fairgrounds in Longmont CO
- September 30, 1994 to October 1, 1994 QCWA National Convention
El Paso, TX
Milly Wise, W5OVH @ (915) 755-5108
8516 Mt. Scott, El Paso TX 79904
- October 8-9, 1994 International Hamfest
El Paso, TX
Clay Emerit, K5TRW @ (915) 859-5502
109 Pasodale Rd., El Paso TX 79907
- November 19, 1994 Socorro Hamfest
Felix Barreras, WB5LXA
925 Bee Court, Socorro NM 87801

Corrections or additions would be welcome for additional updates

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SPECIAL EVENTS

MACUNGIE, PENNSYLVANIA: The 31st annual Das Awkscht Fescht (PA Dutch for August Festival—A Festival and Antique Car Show), will again take place on August 5, 6, and 7. Local hams will operate W3TEB as a special event station on the General 80, 40, and 20 meter phone subbands and 146.55. For certificate, send QSL and SASE to Harry Buchin (PPRAA Member), W3TEB, 21 East Main Street, Macungie, PA 18062-1308.

Reminder! This is the members' newsletter. Should you see, or hear, or read something you think would interest others, send it in!

Membership Application Pikes Peak Radio Amateur Association, INC.

P.O. Box 16521
Colorado Springs, Colorado 80935

Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Are you an ARRL member? Yes No

One year membership rates. (Year starts with the month you receive your first issue.)

Full Member \$15.00 Family Membership (same address) \$18.00

Over 65 \$12.00 Family Both over 65 \$12.00

Associate (outside El Paso or Teller Co.) \$12.00 Newsletter only \$12.00

Additional Names: _____ Call _____ Class _____

IF THIS IS A RENEWAL PLEASE CHECK HERE: _____

PLEASE TYPE OR PRINT CLEARLY!